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=> file agricola biosis embase caplus

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FULL ESTIMATED COST	0.21	0.21

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=> s flavanone-7-O-glucoside?
L1 10 FLAVANONE-7-O-GLUCOSIDE?

=> dplicate remove l1
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PROCESSING COMPLETED FOR L1
L2 7 DUPLICATE REMOVE L1 (3 DUPLICATES REMOVED)

=> d l2 1-7

L2 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2002 ACS
AN 2000:513780 CAPLUS
DN 133:130794
TI Protein and cDNA sequences of rhamnosyl transferase gene and uses thereof
IN Gressel, Jonathan; Eyal, Yoram; Fluhr, Robert

PA Yeda Research and Development Co. Ltd., Israel; State of Israel - Ministry of Agriculture
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000043490	A2	20000727	WO 2000-IL38	20000120
WO 2000043490	A3	20000928		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI IL 1999-128193 A 19990122

L2 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2002 ACS
AN 1996:9800 CAPLUS
DN 124:81881
TI Antifungal activity of some naturally occurring flavonoids
AU Roy, Ruchira; Singh, U. P.; Pandey, V. B.
CS Dep. Medicinal Chem., Banaras Hindu Univ., Varanasihi, 221 005, India
SO Oriental Journal of Chemistry (1995), 11(2), 145-8
CODEN: OJCHEG; ISSN: 0970-020X
PB Oriental Scientific Publishing Co.
DT Journal
LA English

L2 ANSWER 3 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 1
AN 1996:467127 BIOSIS
DN PREV199699189483
TI Flavonoids of Clerodendron phlomidis.
AU Roy, R.; Pandey, V. B.
CS Dep. Med. Chem., Inst. Med. Sci., Banaras Hindu Univ., Varanasi-221 005 India
SO Indian Journal of Natural Products, (1995) Vol. 11, No. 1, pp. 13-14. ISSN: 0970-129X.
DT Article
LA English

L2 ANSWER 4 OF 7 AGRICOLA DUPLICATE 2
AN 92:49392 AGRICOLA
DN IND92023825
TI UDP-rhamnose: ***flavanone*** - ***7*** - ***O*** - ***glucoside*** -2"-O-rhamnosyltransferase. Purification and characterization of an enzyme catalyzing the production of bitter compounds in citrus.
AU Bar-Peled, M.; Lewinsohn, E.; Fluhr, R.; Gressel, J.
CS The Weizmann Institute of Science, Rehovot, Israel
AV DNAL (381 J824)
SO The Journal of biological chemistry, Nov 5, 1991. Vol. 266, No. 31. p. 20953-20959

Publisher: Baltimore, Md. : American Society for Biochemistry and Molecular Biology.
CODEN: JBCHA3; ISSN: 0021-9258
NTE Includes references.
DT Article
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L2 ANSWER 5 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1978:154957 BIOSIS
DN BA65:41957
TI DEGRADATION OF THE PLANT FLAVONOID PHELLAMURIN BY ASPERGILLUS-NIGER.
AU SAKAI S
CS NATL. CANCER INST., NATL. INST. HEALTH, BETHESDA, MD. 20014, USA.
SO APPL ENVIRON MICROBIOL, (1977) 34 (5), 500-505.
CODEN: AEMIDF. ISSN: 0099-2240.
FS BA; OLD
LA English

L2 ANSWER 6 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1977:134284 BIOSIS
DN BA63:29148
TI ENZYMATIC DEGRADATION OF RING B UNIFORMLY LABELED CARBON-14 5 7 3 4 TETRA HYDROXY ***FLAVANONE*** ***7*** - ***O*** ***GLUCOSIDE*** TO 5 7 DI HYDROXY CHROMONE 7-O GLUCOSIDE AND RING UNIFORMLY LABELED CARBON-14 1 2 4 TRI HYDROXY BENZENE WITH A CELL-FREE SYSTEM FROM MENTHA-LONGIFOLIA.
AU JANISTYN B; STOCKER M
SO Z NATURFORSCH SECT C BIOSCI, (1976) 31 (7-8), 408-410.
CODEN: ZNFCAP. ISSN: 0341-0471.
FS BA; OLD
LA Unavailable

L2 ANSWER 7 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1974:68485 BIOSIS
DN BR10:68485
TI STRUCTURE OF PHELLAMURIN.
AU SAKAI S; HASEGAWA M
SO Phytochemistry, (1974) 13 (1), 303-304.
CODEN: PYTCAS. ISSN: 0031-9422.
FS BR; OLD
LA Unavailable

=> d l2 2 3

L2 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2002 ACS
AN 1996:9800 CAPLUS
DN 124:81881
TI Antifungal activity of some naturally occurring flavonoids
AU Roy, Ruchira; Singh, U. P.; Pandey, V. B.
CS Dep. Medicinal Chem., Banaras Hindu Univ., Varanasihi, 221 005, India
SO Oriental Journal of Chemistry (1995), 11(2), 145-8
CODEN: OJCHEG; ISSN: 0970-020X
PB Oriental Scientific Publishing Co.
DT Journal
LA English

L2 ANSWER 3 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 1
AN 1996:467127 BIOSIS
DN PREV199699189483
TI Flavonoids of Clerodendron phlomidis.
AU Roy, R.; Pandey, V. B.
CS Dep. Med. Chem., Inst. Med. Sci., Banaras Hindu Univ., Varanasi-221 005 India
SO Indian Journal of Natural Products, (1995) Vol. 11, No. 1, pp. 13-14. ISSN: 0970-129X.
DT Article
LA English

=> d l2 2 3 ab

L2 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2002 ACS
AB The antifungal activity of two flavones, one flavone glucoside, and one chalcone glucoside isolated from Clerodendron phlomidis was studied. The chalcone glucoside (I) was found to be highly promising as a fungicide; pectolinarigenin, ***flavanone*** - ***7*** - ***0*** - ***glucoside*** , and 7-hydroxy flavone also displayed good activity.

L2 ANSWER 3 OF 7 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 1

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	23.29	23.50

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FULL ESTIMATED COST	0.06	23.56

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	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.62

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NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 27	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 28	Oct 21	EVENTLINE has been reloaded
NEWS 29	Oct 24	BEILSTEIN adds new search fields
NEWS 30	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 31	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS 32	Nov 18	DKILIT has been renamed APOLLIT

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 NEWS EXPRESS  October 14 CURRENT WINDOWS VERSION IS V6.01,
               CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
               AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
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 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

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=> file agricola biosis embase caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

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=> s flavanone-7-O-glucoside
L1          10 FLAVANONE-7-O-GLUCOSIDE

=> d l1 1-10 ab

L1   ANSWER 1 OF 10  AGRICOLA
AB   The rhamnosyltransferase catalyzing the production of the bitter
     flavanone-glucosides, naringin and neohesperidin, was purified to
     homogeneity. The enzyme catalyzes the transfer of rhamnose from
     UDP-rhamnose to the C-2 hydroxyl group of glucose attached via C-7-O- of
     naringenin or hesperetin. To our knowledge this is the first complete
     purification of a rhamnosyltransferase. The enzyme from young pummelo
     leaves was purified > 2,700-fold to a specific activity of over 600
```

pmol/min/mg of protein by sequential column chromatographies on Sephacryl S-200, reactive green 19-agarose, and Mono-Q. The enzyme was selectively eluted from the green dye column with only three other proteins by a pulse of the substrate hesperetin-7-O-glucoside followed by UDP. The rhamnosyltransferase is monomeric (approximately 52 kDa) by gel filtration and electrophoresis. The enzyme rhamnosylates only with UDP-rhamnose. Flavonoid-7-O-glucosides are usable acceptors but 5-O-glucosides or aglycones are not. It is inhibited by 10 micromole UDP, its end product, but not by naringin or neohesperidin. Several flavonoid-aglycones at 100 micromole inhibited the rhamnosyltransferase; UDP-sugars did not. The Km for UDP-rhamnose was similar with prunin (1.3 micromole) and hesperetin-7-O-glucoside (1.1 micromole) as substrate. The affinity for the natural acceptor prunin (Km = 2.4 micromole) was much higher than for hesperetin-7-O-glucoside (Km = 41.5 micromole). The isolation of the gene may enable its use in genetic engineering directed to modifying grapefruit bitterness.

L1 ANSWER 2 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

L1 ANSWER 3 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AB The structure of phellamurin, a plant flavonoid was described previously, as 3,4',5,7-tetrahydroxy-8-isoprenylflavanone-7-O-glucoside. Degradation of phellamurin by A. niger, using modified Czapek-Dox medium and phellamurin or 1 of its degradation products as a sole C source, is reported. Eleven compounds are identified from phellamurin degradation products. A. niger apparently decomposes phellamurin by first removing glucose with .beta.-glucosidase; neophellamuretin is the 1st degradation product. Fission of the heterocyclic ring of (5"-hydroxyisopropyl-4",5"-dihydrofurano)[2",3"-h]-3,4',5-trihydroxyflavanone, which is obtained from neophellamuretin through a few alterations of the side chain, is followed by cleavage of a C-C bond between C:O and C at .alpha.-position and conversion of (5"-hydroxyisopropyl-4",5"-dihydrofurano)[2",3"-d]-2',4,6',.alpha.-tetrahydroxychalcone to .rho.-hydroxymandelic acid (B-ring) and 2,4,6-trihydroxy-5-carboxyphenylacetic acid (A-ring). .rho.-Hydroxymandelic acid is probably oxidized to .rho.-hydroxybenzoic acid. 2,4,6-Trihydroxy-5-carboxyphenylacetic acid is metabolized to phloroglucinol carboxylic acid, which is decarboxylated to phloroglucinol. These results provided new information on the isoprene unit metabolism of the side chain of phellamurin and firmly established the degradation pathway of phellamurin by A. niger.

L1 ANSWER 4 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AB [Ring B-U[uniformly labeled]-14C]-5,7,3',4'-tetrahydroxyflavanone-7-O-glucoside was synthesized and a new way of flavanone-degradation was demonstrated. The B-ring is split off under formation of 5,7-dihydroxychromone-7-O-glucoside and [ring-U-14C]-1,2,4-trihydroxybenzene.

L1 ANSWER 5 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

L1 ANSWER 6 OF 10 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AB The rhamnosyltransferase catalyzing the production of the bitter flavanone-glucosides, naringin and neohesperidin, was purified to homogeneity. The enzyme catalyzes the transfer of rhamnose from UDP-rhamnose to the C-2 hydroxyl group of glucose attached via C-7-O- of naringenin or hesperetin. To our knowledge this is the first complete purification of a rhamnosyltransferase. The enzyme from young pummelo

leaves was purified > 2,700-fold to a specific activity of over 600 pmol/min/mg of protein by sequential column chromatographies on Sephacryl S-200, reactive green 19-agarose, and Mono-Q. The enzyme was selectively eluted from the green dye column with only three other proteins by a pulse of the substrate hesperetin-7-O-glucoside followed by UDP. The rhamnosyltransferase is monomeric (.apprx. 52 kDa) by gel filtration and electrophoresis. The enzyme rhamnosylates only with UDP-rhamnose. Flavonoid-7-O-glucosides are usable acceptors but 5-O-glucosides or aglycones are not. It is inhibited by 10 .mu.M UDP, its end product, but not by naringin or neohesperidin. Several flavonoid-aglycones at 100 .mu.M inhibited the rhamnosyltransferase; UDP-sugars did not. The K(m) for UDP-rhamnose was similar with prunin (1.3 .mu.M) and hesperetin-7-O-glucoside (1.1 .mu.M) as substrate. The affinity for the natural acceptor prunin (K(m) = 2.4 .mu.M) was much higher than for hesperetin-7-O-glucoside (K(m) = 41.5 .mu.M). The isolation of the gene may enable its use in genetic engineering directed to modifying grapefruit bitterness.

L1 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2002 ACS

AB The invention provides protein and cDNA sequences of a novel Citrus rhamnosyl transferase gene responsible for producing the bitter flavanoids naringin and neohesperidin, which encodes a protein having a ***flavanone*** - ***7*** - ***O*** - ***glucoside*** -2"-O-rhamnosyl-transferase catalytic activity. The invention also relates to the uses of rhamnosyl transferase for modifying a rhamnose-1-6-glucose linkage of a chem. compd. to a rhamnose-1-2-glucose linkage. The invention further relates to genetically modified plants of the Citrus genus including sense or antisense construct which comprises the rhamnosyl transferase gene or a gene knock-out integrated construct to provide less bitter grapefruits, pomelos and other citrus contg. bitter flavanoid glycosides.

L1 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2002 ACS

AB 7-Hydroxyflavone and ***flavanone*** - ***7*** - ***O*** - ***glucoside*** have been isolated for the first time from C. phlomidis leaves and their structures have been established by spectral and chem. degrdn. methods.

L1 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2002 ACS

AB The antifungal activity of two flavones, one flavone glucoside, and one chalcone glucoside isolated from Clerodendron phlomidis was studied. The chalcone glucoside (I) was found to be highly promising as a fungicide; pectolinarigenin, ***flavanone*** - ***7*** - ***O*** - ***glucoside*** , and 7-hydroxy flavone also displayed good activity.

L1 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2002 ACS

AB The rhamnosyltransferase catalyzing the prodn. of the bitter flavanone-glucosides, naringin and neohesperidin, was purified to homogeneity. The enzyme catalyzes the transfer of rhamnose from UDP-rhamnose to the C-2 hydroxyl group of glucose attached via C-7-O- of naringenin or hesperetin. This is the first complete purifn. of a rhamnosyltransferase. The enzyme from young pummelo leaves was purified >2,700-fold to a specific activity of >600 pmol/min/mg of protein by sequential column chromatogs. on Sephacryl S-200, reactive green 19-agarose, and Mono-Q. The enzyme was selectively eluted from the green dye column with only three other proteins by a pulse of the substrate hesperetin-7-O-glucoside followed by UDP. The rhamnosyltransferase is monomeric (.apprx.52 kDa) by gel filtration and electrophoresis. The

enzyme rhamnosylates only with UDP-rhamnose. Flavonoid-7-O-glucosides are usable acceptors but 5-O-glucosides or aglycons are not. It is inhibited by 10 .mu.M UDP, its end product, but not by naringin or neohesperidin. Several flavonoid-aglycons at 100 .mu.M inhibited the rhamnosyltransferase; UDP-sugars did not. The Km for UDP-rhamnose was similar with prunin (1.3 .mu.M) and hesperetin-7-O-glucoside (1.1 .mu.M) as substrate. The affinity for the natural acceptor prunin (Km = 2.4 .mu.M) was much higher than for hesperetin-7-O-glucoside (Km = 41.5 .mu.M). The isolation of the gene may enable its use in genetic engineering directed to modifying grapefruit bitterness.

=> d l1 1 6-7 ibib

L1 ANSWER 1 OF 10 AGRICOLA
ACCESSION NUMBER: 92:49392 AGRICOLA
DOCUMENT NUMBER: IND92023825
TITLE: UDP-rhamnose: ***flavanone*** - ***7*** - ***O*** - ***glucoside*** -2"-O-rhamnosyltransferase. Purification and characterization of an enzyme catalyzing the production of bitter compounds in citrus.
AUTHOR(S): Bar-Peled, M.; Lewinsohn, E.; Fluhr, R.; Gressel, J.
CORPORATE SOURCE: The Weizmann Institute of Science, Rehovot, Israel
AVAILABILITY: DNAL (381 J824)
SOURCE: The Journal of biological chemistry, Nov 5, 1991. Vol. 266, No. 31. p. 20953-20959
Publisher: Baltimore, Md. : American Society for Biochemistry and Molecular Biology.
CODEN: JBCHA3; ISSN: 0021-9258
NOTE: Includes references.
DOCUMENT TYPE: Article
FILE SEGMENT: U.S. Imprints not USDA, Experiment or Extension
LANGUAGE: English

L1 ANSWER 6 OF 10 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
ACCESSION NUMBER: 92013737 EMBASE
DOCUMENT NUMBER: 1992013737
TITLE: UDP-rhamnose: ***Flavanone*** - ***7*** - ***O*** - ***glucoside*** -2''-O-rhamnosyltransferase. Purification and characterization of an enzyme catalyzing the production of bitter compounds in citrus.
AUTHOR: Bar-Peled M.; Lewinsohn E.; Fluhr R.; Gressel J.
CORPORATE SOURCE: Department of Plant Genetics, Weizmann Institute Science,Rehovot 76100, Israel
SOURCE: Journal of Biological Chemistry, (1991) 266/31 (20953-20959).
ISSN: 0021-9258 CODEN: JBCHA3
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L1 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:513780 CAPLUS
DOCUMENT NUMBER: 133:130794

TITLE: Protein and cDNA sequences of rhamnosyl transferase gene and uses thereof
INVENTOR(S): Gressel, Jonathan; Eyal, Yoram; Fluhr, Robert
PATENT ASSIGNEE(S): Yeda Research and Development Co. Ltd., Israel; State of Israel - Ministry of Agriculture
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000043490	A2	20000727	WO 2000-IL38	20000120
WO 2000043490	A3	20000928		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: IL 1999-128193 A 19990122

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	27.10	27.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.48	-2.48

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 NEWS 10  Jun 10   MEDLINE Reload
 NEWS 11  Jun 10   PCTFULL has been reloaded
 NEWS 12  Jul 02   FOREGE no longer contains STANDARDS file segment
 NEWS 13  Jul 22   USAN to be reloaded July 28, 2002;
                   saved answer sets no longer valid
 NEWS 14  Jul 29   Enhanced polymer searching in REGISTRY
 NEWS 15  Jul 30   NETFIRST to be removed from STN
 NEWS 16  Aug 08   CANCERLIT reload
 NEWS 17  Aug 08   PHARMAMarketLetter(PHARMAML) - new on STN
 NEWS 18  Aug 08   NTIS has been reloaded and enhanced
 NEWS 19  Aug 19   Aquatic Toxicity Information Retrieval (AQUIRE)
                   now available on STN
 NEWS 20  Aug 19   IFIPAT, IFICDB, and IFIUDB have been reloaded
 NEWS 21  Aug 19   The MEDLINE file segment of TOXCENTER has been reloaded
 NEWS 22  Aug 26   Sequence searching in REGISTRY enhanced
 NEWS 23  Sep 03   JAPIO has been reloaded and enhanced
 NEWS 24  Sep 16   Experimental properties added to the REGISTRY file
 NEWS 25  Sep 16   Indexing added to some pre-1967 records in CA/CAPLUS
 NEWS 26  Sep 16   CA Section Thesaurus available in CAPLUS and CA
 NEWS 27  Oct 01   CASREACT Enriched with Reactions from 1907 to 1985
 NEWS 28  Oct 21   EVENTLINE has been reloaded
 NEWS 29  Oct 24   BEILSTEIN adds new search fields
 NEWS 30  Oct 24   Nutraceuticals International (NUTRACEUT) now available on STN
 NEWS 31  Oct 25   MEDLINE SDI run of October 8, 2002
 NEWS 32  Nov 18   DKILIT has been renamed APOLLIT

 NEWS EXPRESS  October 14 CURRENT WINDOWS VERSION IS V6.01,
               CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
               AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
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 NEWS PHONE     Direct Dial and Telecommunication Network Access to STN
 NEWS WWW       CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 14:55:03 ON 18 NOV 2002

=> file agricola biosis embase caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

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=> s rhamnosyl and flavanone and transferase
L1             4 RHAMNOSYL AND FLAVANONE AND TRANSFERASE

=> duplicate remove l1
DUPLICATE PREFERENCE IS 'AGRICOLA, BIOSIS, CAPLUS'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L1
L2             3 DUPLICATE REMOVE L1 (1 DUPLICATE REMOVED)

=> d l2 1-3

L2   ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2002 ACS
AN   2000:513780  CAPLUS
DN   133:130794
TI   Protein and cDNA sequences of   ***rhamnosyl***     ***transferase***
     gene and uses thereof
IN   Gressel, Jonathan; Eyal, Yoram; Fluhr, Robert
PA   Yeda Research and Development Co. Ltd., Israel; State of Israel - Ministry
     of Agriculture
SO   PCT Int. Appl., 48 pp.
```

CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000043490	A2	20000727	WO 2000-IL38	20000120
	WO 2000043490	A3	20000928		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRAI IL 1999-128193 A 19990122

L2 ANSWER 2 OF 3 AGRICOLA
AN 90:35392 AGRICOLA
DN IND90018006
TI ***Flavanone*** glycoside biosynthesis in citrus. Chalcone synthase, UDP-glucose: ***flavanone*** -7-O-glucosyl- ***transferase*** and - ***rhamnosyl*** - ***transferase*** activities in cell-free extracts.
AU Lewinsohn, E.; Britsch, L.; Mazur, Y.; Gressel, J.
CS Washington State University, Pullman, WA
AV DNAL (450 P692)
SO Plant physiology, Dec 1989. Vol. 91, No. 4. p. 1323-1328 ill
Publisher: Rockville, Md. : American Society of Plant Physiologists.
CODEN: PLPHAY; ISSN: 0032-0889
NTE Includes references.
DT Article
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L2 ANSWER 3 OF 3 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 1
AN 1990:48336 BIOSIS
DN BA89:25700
TI PRODUCTION OF ***FLAVANONE*** NEOHESPERIDOSIDES IN CITRUS EMBRYOS.
AU GAVISH H; LEWINSOHN E; VARDI A; FLUHR R
CS DEP. PLANT GENETICS, WEIZMANN INST. SCI., REHOVOT 76100, ISRAEL.
SO PLANT CELL REP, (1989) 8 (7), 391-394.
CODEN: PCRPD8. ISSN: 0721-7714.
FS BA; OLD
LA English

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	11.97	12.18

FILE 'STNGUIDE' ENTERED AT 14:57:48 ON 18 NOV 2002

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<------User Break------>

=>
=> file agricola biosis embase caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         2.34      14.52

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=> s s flavanone(w)7 and glucoside and rhamnosyl(w)transferase
L3            0 S FLAVANONE(W) 7 AND GLUCOSIDE AND RHAMNOSYL(W) TRANSFERASE

=> s rhamnosyl(w)transferase
L4           35 RHAMNOSYL(W) TRANSFERASE

=> duplicate remove l4
DUPLICATE PREFERENCE IS 'AGRICOLA, BIOSIS, EMBASE, CAPLUS'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):n
PROCESSING COMPLETED FOR L4
L5            27 DUPLICATE REMOVE L4 (8 DUPLICATES REMOVED)

=> d l5 1-27 ti

L5   ANSWER 1 OF 27  CAPLUS  COPYRIGHT 2002 ACS
TI   Genomic sequence and evolution of marine cyanophage P60: A new insight on
     lytic and lysogenic phages

L5   ANSWER 2 OF 27  CAPLUS  COPYRIGHT 2002 ACS
TI   Identification of a novel locus that regulates expression of toxin genes
     in Clostridium perfringens

L5   ANSWER 3 OF 27  CAPLUS  COPYRIGHT 2002 ACS
TI   Protein and cDNA sequences of  ***rhamnosyl***  ***transferase***
     gene and uses thereof

L5   ANSWER 4 OF 27  CAPLUS  COPYRIGHT 2002 ACS
TI   A gene cluster for the synthesis of serotype d-specific polysaccharide
     antigen in Actinobacillus actinomycetemcomitans

L5   ANSWER 5 OF 27  BIOSIS  COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI   Cloning and functional characterization of a 30 kb gene locus required for
```

lipopolysaccharide biosynthesis in Legionella pneumophila.

L5 ANSWER 6 OF 27 CAPLUS COPYRIGHT 2002 ACS
TI Analysis of the 5' portion of the type 19A capsule locus identifies two classes of cpsC, cpsD, and cpsE genes in Streptococcus pneumoniae

L5 ANSWER 7 OF 27 CAPLUS COPYRIGHT 2002 ACS
TI Genetic analysis of the Serratia marcescens N28b O4 antigen gene cluster

L5 ANSWER 8 OF 27 CAPLUS COPYRIGHT 2002 ACS
TI Three rhamnosyltransferases responsible for assembly of the A-Band D-rhamnan polysaccharide in Pseudomonas aeruginosa: a fourth transferase, WbpL, is required for the initiation of both A-band and B-band lipopolysaccharide synthesis

L5 ANSWER 9 OF 27 AGRICOLA DUPLICATE 1
TI Selection and partial characterization of a Pseudomonas aeruginosa mono-rhamnolipid deficient mutant.

L5 ANSWER 10 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Three novel ***rhamnosyl*** ***transferases*** involved in the assembly of Pseudomonas aeruginosa A-band polysaccharide.

L5 ANSWER 11 OF 27 CAPLUS COPYRIGHT 2002 ACS
TI Hormonal regulation of corolla growth and pigmentation in petunia flowers

L5 ANSWER 12 OF 27 CAPLUS COPYRIGHT 2002 ACS
TI Loci of Mycobacterium avium ser2 gene cluster and their functions

L5 ANSWER 13 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2
TI Cloning and structural analysis of the anthocyanin pigmentation locus Rt of Petunia hybrida: Characterization of insertion sequences in two mutant alleles.

L5 ANSWER 14 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 3
TI Glycosyl transferases of O-antigen biosynthesis in Salmonella enterica: Identification and characterization of transferase genes of groups B, C2, and E1.

L5 ANSWER 15 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI The Escherichia coli K-12 "wild types" W3110 and MG1655 have an rph frameshift mutation that leads to pyrimidine starvation due to low pyrE expression levels.

L5 ANSWER 16 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Juvenile specificity of ***rhamnosyl*** ***transferase*** in Citrus spp.

L5 ANSWER 17 OF 27 AGRICOLA
TI Flavanone glycoside biosynthesis in citrus. Chalcone synthase, UDP-glucose:flavanone-7-O-glucosyl-transferase and - ***rhamnosyl*** - ***transferase*** activities in cell-free extracts.

L5 ANSWER 18 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE 4

TI PRODUCTION OF FLAVANONE NEOHESPERIDOSIDES IN CITRUS EMBRYOS.

L5 ANSWER 19 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI THE INCORPORATION OF MODIFIED HEXOSYL RESIDUES INTO THE SEROGROUPS E B C-2 AND C-3 SALMONELLA O-SPECIFIC POLYSACCHARIDES USING SYNTHETIC NUCLEOTIDE SUGARS.

L5 ANSWER 20 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI FORMATION OF FLAVONOL 3-0 DI GLYCOSIDES AND FLAVONOL 3-0 TRI GLYCOSIDES BY ENZYME EXTRACTS FROM ANTHERS OF TULIPA CULTIVAR APELDOORN.

L5 ANSWER 21 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI SPECIFICITY OF THE ENZYMES FOR THE BIOSYNTHESIS OF SALMONELLA O ANTIGEN 4. KINETICS OF THE REACTION IN THE BIOSYNTHESIS OF SALMONELLA-ANATUM O ANTIGEN WITH DERIVATIVES OF BACTERIAL POLY PRENOL AND MORAPRENOL.

L5 ANSWER 22 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI IDENTIFICATION PROPERTIES AND GENETIC CONTROL OF UDP L RHAMNOSE ANTHO CYANIDIN 3-O GLUCOSIDE 6-O ***RHAMNOSYL*** ***TRANSFERASE*** ISOLATED FROM PETALS OF THE RED CAMPION SILENE-DIOICA.

L5 ANSWER 23 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI SPECIFICITY OF THE ENZYMES OF SALMONELLA-ANATUM O ANTIGEN BIOSYNTHESIS 4. THE REACTION KINETICS FOR SALMONELLA-ANATUM O ANTIGEN BIOSYNTHESIS WITH DERIVATIVES OF BACTERIAL POLY PRENOL AND MORAPRENOL.

L5 ANSWER 24 OF 27 AGRICOLA DUPLICATE 5
TI Properties and genetic control of UDP-L-rhamnose: anthocyanidin 3-O-glucoside, 6"-O- ***rhamnosyl*** - ***transferase*** from petals of red campion, Silene dioica.

L5 ANSWER 25 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI SPECIFICITY OF ENZYMES OF SALMONELLA O ANTIGEN BIOSYNTHESIS PART 1 INTERACTION OF URIDINE AND 2 DEOXY UDP RHAMNOSE WITH ***RHAMNOSYL*** ***TRANSFERASE*** FROM SALMONELLA-ANATUM.

L5 ANSWER 26 OF 27 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI SPECIFICITY OF THE ENZYMES OF THE BIOSYNTHESIS OF SALMONELLA O ANTIGEN 1. INTERACTION OF UDP RHAMNOSE AND OF 2' DEOXY UDP RHAMNOSE WITH THE ***RHAMNOSYL*** ***TRANSFERASE*** OF SALMONELLA-ANATUM.

L5 ANSWER 27 OF 27 CAPLUS COPYRIGHT 2002 ACS
TI The enzymic synthesis of a rhamnose-containing glycolipid by extracts of Pseudomonas aeruginosa

=> d l5 3 17

L5 ANSWER 3 OF 27 CAPLUS COPYRIGHT 2002 ACS
AN 2000:513780 CAPLUS
DN 133:130794
TI Protein and cDNA sequences of ***rhamnosyl*** ***transferase*** gene and uses thereof
IN Gressel, Jonathan; Eyal, Yoram; Fluhr, Robert
PA Yeda Research and Development Co. Ltd., Israel; State of Israel - Ministry of Agriculture
SO PCT Int. Appl., 48 pp.

CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000043490	A2	20000727	WO 2000-IL38	20000120
	WO 2000043490	A3	20000928		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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PRAI IL 1999-128193 A 19990122

L5 ANSWER 17 OF 27 AGRICOLA
AN 90:35392 AGRICOLA
DN IND90018006
TI Flavanone glycoside biosynthesis in citrus. Chalcone synthase, UDP-glucose:flavanone-7-O-glucosyl-transferase and - ***rhamnosyl*** - ***transferase*** activities in cell-free extracts.
AU Lewinsohn, E.; Britsch, L.; Mazur, Y.; Gressel, J.
CS Washington State University, Pullman, WA
AV DNAL (450 P692)
SO Plant physiology, Dec 1989. Vol. 91, No. 4. p. 1323-1328 ill
Publisher: Rockville, Md. : American Society of Plant Physiologists.
CODEN: PLPHAY; ISSN: 0032-0889
NTE Includes references.
DT Article
FS U.S. Imprints not USDA, Experiment or Extension
LA English

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FULL ESTIMATED COST	20.51	35.03

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